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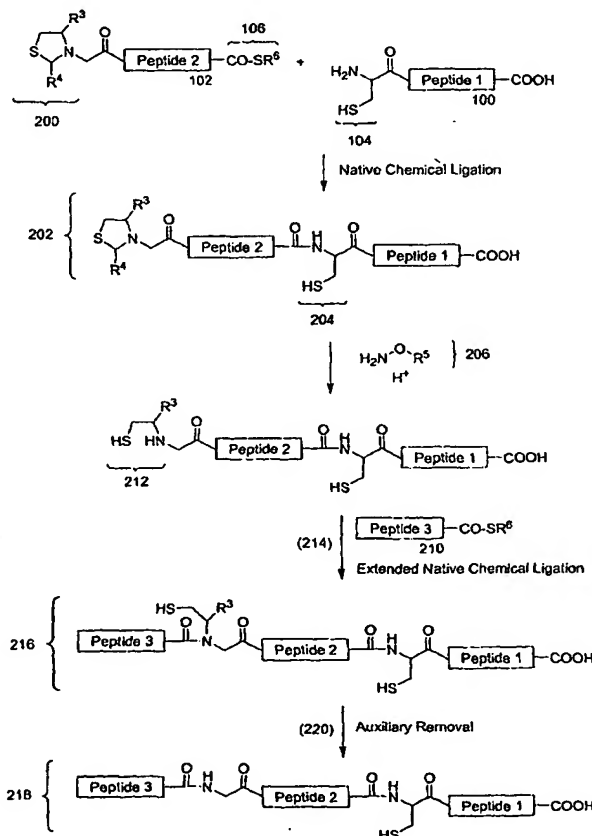
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(54) Title: CARBOXY PROTECTION STRATEGIES FOR ACIDIC C-TERMINAL AMINO ACIDS IN CHEMICAL LIGATION OF OLIGOPEPTIDES



(57) Abstract: The present invention provides methods of assembling oligopeptides or polypeptides in a native chemical ligation reaction that eliminates the formation of unwanted side products resulting from the presence of an unprotecte acidic C-terminal oligopeptide thioester. An important aspect of the present invention is providing side chain protected acidic C-terminal oligopeptide thioesters. The present invention is useful in methods for chemical synthesis of oligopeptides, polypeptides and proteins and improves the efficiency of native chemical ligation reactions, particularly where aspartyl or glutamyl peptide fragments are used to assemble an oligopeptide, polypeptide or protein product.